



Standards *Actions*

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of this document is available on the Technical Standards Program (TSP) Internet Site at the URL shown at the bottom of this page. If you wish to comment on this document, please notify your TSM.

- *Design Criteria Standard for Electronic Records Management Software*, Project Number INFT-0001; Carol Blackston, MA-42; 301-903-4294, FAX 301-903-4101; **Carol.Blackston@hq.doe.gov**. Comments are due August 30, 1999. This standard was adapted from the Department of Defense standard 5015.2 and tailored for specific DOE use.

DOE Documents Recently Published

The following DOE document has recently been published:

- DOE-HDBK-3027-99, *Integrated Safety Management Systems (ISMS) Verification - Team Leader's Handbook*, June 1999.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; telephone 1-800-473-4375 or FAX 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, VA 22161 (703-605-6000 or FAX 703-605-6900).

Copies of DOE Technical Standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page. The "recently published" document listed above and the following document were added to the TSP Internet Site.

- DOE-STD-1066-99, *Fire Protection Design Criteria*, July 1999 (supersedes DOE-STD-1066-97).

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email **sbose@ansi.org**. For further information on distribution policies of ANSI publications, call the ANSI customer service manager at 212-642-4979.

Technical Standards Program Document Status as of 7/30/99

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	46	16	1

Total in process = 62

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Internet site (<http://www.ansi.org>) or through the National Standards System Network (<http://www.nssn.org>).

The following American National Standards are currently in coordination:

- ASME B30.17a, *Overhead and Gantry Cranes (Top Running Bridge, Single Girder, Underhung Hoist)* (supplement to ANSI/ASME B30.17-1998); comments due August 31, 1999.
- ASTM F1948, *Specification for Metallic Mechanical Fittings for Use on Outside Diameter Controlled Thermoplastic Gas Distribution Pipe and Tubing* (new standard); comments due September 14, 1999.
- ASTM Z7541Z, *Practice for Hydrostatic Field Pressure Testing (Leak Testing) of Plastic Pressure Piping Systems* (new standard); comments due September 14, 1999.



Visit the Technical Standards Program Internet Site: <http://tis.eh.doe.gov/techstds/>

- ASTM Z7801Z, *Specification for Controlled Health Vocabularies* (new standard); comments due September 14, 1999.
- AWS G1.2, *Specification for Standardized Ultrasonic Welding Test Specimens for Thermoplastics* (new standard); comments due September 14, 1999.
- ISA S12.13.01, *Performance Requirements, Combustible Gas Detectors* (new standard); comments due August 30, 1999.
- ISA S75.07, *Laboratory Measurement of Aerodynamic Noise Generated by Control Valves* (new standard); comments due September 14, 1999.
- NFPA 45, *Fire Protection for Laboratories Using Chemicals* (revision of ANSI/NFPA 45-1996); comments due September 14, 1999.
- NFPA 92A, *Smoke-Control Systems* (revision of ANSI/NFPA 92A-1996); comments due September 14, 1999.
- NFPA 853, *Installation of Stationary Fuel Cell Power Plants* (new standard); comments due September 14, 1999.
- NFPA 1071, *Emergency Vehicle Technician Professional Qualifications* (new standard); comments due September 14, 1999.
- NFPA 1145, *Use of Class A Foam in Manual Structural Fire Fighting* (new standard); comments due September 14, 1999.
- NFPA 1915, *Fire Apparatus Preventative Maintenance Program* (new standard); comments due September 14, 1999.
- UL 2111, *Standard for Safety for Overheating Protection for Motors* (new standard); comments due August 31, 1999.

The following newly published American National Standards are available from ANSI:

- ANSI/ISA S12.0.01-1998, *Electrical Apparatus for Use in Class I, Zones 0 & 1 Hazardous (Classified) Locations - General Requirements*.
- ANSI/NSF 53-1998, *Drinking Water Treatment Units - Health Effects*.
- ANSI Z21.41-1998, *Quick Disconnect Devices for Use with Gas Fuel* (same as CGA 6.9) (revision, redesignation and consolidation of ANSI Z21.41-1989, ANSI Z21.41a-1990, ANSI Z21.41b-1992 and CGA 6.9-M).
- ANSI Z21.83-1998, *Fuel Cell Power Plants* (same as CGA 12.10).
- ASME B30.18-1998, *Stacker Cranes (Top or Under Running Bridge, Multiple Girder with Top or Under Running Trolley Hoist)* (includes revision service).
- ASME B31.3-1999 Edition, *Process Piping* (includes supplements) (includes revision service).

The following international standards are currently in coordination (comment due dates follow each entry):

- EN 671-1: 1994/prA1, *Fixed firefighting systems - Hose systems - Part 1: Hose reels with semi-rigid hose* - August 6, 1999.
- EN 50016:1995/prA1:1999, *Electrical apparatus for potentially explosive atmospheres - Pressurized apparatus "p"* (for information).
- ISO/DIS 5658-4, *Reaction to fire tests - Spread of flame - Part 4: Intermediate-scale test of vertical spread of flame with vertically oriented specimen* - September 4, 1999.
- ISO/DIS 15238, *Solid mineral fuels - Determination of total cadmium content of coal* - September 18, 1999.

- ISO/DIS 15585, *Solid mineral fuels - Hard coal - Determination of caking index* - September 18, 1999.
- prEN 81-72, *Safety rules for the construction and installation of lifts - Part 72: Firefighters lifts* - October 27, 1999.
- prEN 133, *Respiratory protective devices - Classification* - November 3, 1999.
- prEN 1073-2, *Protective clothing against radioactive contamination - Part 2: Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination* - October 27, 1999.
- prEN 10222-2, *Steel forgings for pressure purposes - Part 2: Ferritic and martensitic steels with specified elevated temperature properties* (for information).
- prEN 12186, *Gas supply systems - Gas pressure regulating stations for transmission and distribution - Functional requirements* (for information).
- prEN 12255-5, *Wastewater treatment plants - Part 5: Lagooning processes* (for information).
- prEN 13395-4, *Products and systems for the protection and repair of concrete structures - Test methods - Determination of workability - Part 4: Application overhead* - October 6, 1999.
- prEN 13445-1, *Unfired pressure vessels - Part 1: General* - September 15, 1999.
- prEN 13480-1, *Metallic industrial piping - Part 1: General* - September 15, 1999.
- prEN 45510-3-1, *Guide for procurement of power station equipment - Part 3-1: Boilers - Water tube boilers* (for information).
- prEN 45544-1, *Workplace atmospheres - Electrical apparatus used for the direct detection and direct concentration measurement of toxic gases and vapours - Part 1: General requirements and test methods* (for information).
- prEN 50183, *Aluminium-magnesium-silicon alloy wire for overhead line conductors* (for information).
- prEN 60068-5-2, *Environmental testing - Part 5: Guide to drafting of test methods - Terms and definitions* (IEC 60068-5-2:1990) (for information).
- prEN ISO 13734, *Natural gas - Organic sulfur compounds used as odorants - Requirements and test methods* (ISO 13734:1998) - October 27, 1999.
- prHD 622 S1:1996/prA1: 1999, *Power cables having rated voltage from 3,6/6 (7,2) kV up to and including 20,8/36 (42) kV with special fire performance for use in power stations* - September 20, 1999.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). Additional informa-

tion on ASTM activities is available on the ASTM Internet site (<http://www.astm.org>). The following listings are extracted from ASTM Standardization News and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:
(the due date for all items is August 10, 1999).

- New Standard, *Practice for Rehabilitation of Existing Pipelines and Conduits by the Pulled-In-Place Installation of Glass Reinforced Plastic (GRP) Cured-In-Place Thermosetting Resin Pipe (CIPP)* (Ref. Z7268Z).
- F 1412-99, *Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage Systems* (revised standard).
- G 15-99, *Terminology Relating to Corrosion and Corrosion Testing* (revised standard).
- G 44-94 (Includes change to title), *Practice for Evaluating Stress Corrosion Cracking Resistance of Metals and Alloys by Alternate Immersion in 3.5 Percent Sodium Chloride Solution* (revised standard).

The following newly published standards are available from ASTM:

- A 213/A 213M-98, *Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes* (revised standard).
- A 472-98, *Test Method for Heat Stability of Steam Turbine Shafts and Rotor Forgings* (revised standard).
- A 498-98, *Specification for Seamless and Welded Carbon, Ferritic, and Austenitic Alloy Steel Heat-Exchanger Tubes with Integral Fins* (revised standard).
- A 941-98b, *Terminology Relating to Steel, Stainless Steel, Related Alloys, and Ferroalloys* (revised standard).
- B 850-98, *Guide for Post-Coating Treatments of Steel for Reducing Risk of Hydrogen Embrittlement* (revised standard).
- C 11-98, *Terminology Relating to Gypsum and Related Building Materials and Systems* (revised standard).
- C 143/C 143M-98, *Test Method for Slump of Hydraulic-Cement Concrete* (revised standard).
- C 696-99, *Test Methods for Chemical, Mass Spectrometric, and Spectrochemical Analysis of Nuclear-Grade Uranium Dioxide Powders and Pellets* (revised standard).
- C 1074-98, *Practice for Estimating Concrete Strength* (revised standard).
- C 1373-98, *Guide for Selecting Jacketing Materials for Thermal Insulation* (new standard).
- C 1409-98, *Guide for Measuring and Estimating Quantities of Insulated Piping and Components* (new standard).
- C 1420-99, *Guide for Selection, Removal, and Shipment of Manufactured Masonry Units Placed in Usage* (new standard).
- D 1079-98, *Terminology Relating to Roofing, Waterproofing, and Bituminous Materials* (revised standard).
- D 5681-98a, *Terminology for Waste and Waste Management* (revised standard).
- D 6250-98, *Practice for Derivation of Decision Point and Confidence Limit for Statistical Testing of Mean Concentration in Waste Management Decisions* (new standard).

- D 6311-98, *Guide for Generation of Environmental Data Related to Waste Management Activities: Selection and Optimization of Sampling Design* (new standard).
- D 6323-98, *Guide for Laboratory Subsampling of Media Related to Waste Management Activities* (new standard).
- D 6345-98, *Guide for Selection of Methods for Active, Integrative Sampling of Volatile Organic Compounds in Air* (new standard).
- D 6349-98, *Test Method for Determination of Major and Minor Elements in Coal, Coke, and Solid Residues From Combustion of Coal and Coke by Inductively Coupled Plasma—Atomic Emission Spectrometry* (new standard).
- D 6350-98, *Test Method for Mercury Sampling and Analysis in Natural Gas by Atomic Fluorescence Spectroscopy* (new standard).
- D 6361-98, *Guide for Selecting Cleaning Agents and Processes* (new standard).
- D 6362-98, *Practice for Certificates of Reference Materials for Water Analysis* (new standard).
- D 6380-99, *Specification for Asphalt Roll Roofing Organic Felt* (new standard).
- D 6383-99, *Practice for Time-to-Failure (Creep-Rupture) of Adhesive Joints Fabricated from EPDM Roof Membrane Material* (new standard).
- E 692-98 (Includes change to title), *Test Method for Determining the Content of Cesium-137 in Irradiated Nuclear Fuels by High-Resolution Gamma-Ray Spectral Analysis* (revised standard).
- E 1971-98, *Guide for Stewardship for the Cleaning of Commercial and Institutional Buildings* (new standard).
- E 1989-98, *Specification for Laboratory Equipment Control Interface (LECIS)* (new standard).
- E 1990-98, *Guide for Performing Evaluations of Underground Storage Tank Systems for Operational Conformance with 40 CFR Part 280 Regulations* (new standard).
- E 1991-98, *Guide for Environmental Life Cycle Assessment of Building Materials/Products* (new standard).
- E 1993-98, *Specification for Bituminous Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs* (new standard).
- E 2005-99, *Guide for Benchmark Testing of Reactor Dosimetry in Standard and Reference Neutron Fields* (new standard).
- E 2006-99, *Guide for Benchmark Testing of Light Water Reactor Calculations* (new standard).
- F 1924-98, *Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing* (new standard).
- F 1930-99, *Test Method for Evaluation of Flame Resistant Clothing for Protection Against Flash Fire Simulations Using an Instrumented Manikin* (new standard).
- F 1940-98, *Test Method for Process Control Verification to Prevent Hydrogen Embrittlement in Plated or Coated Fasteners* (new standard).
- PS 81-98, *Test Method for Length Change of Mortar Bars Caused by Reaction Between Hydraulic Cement and Alkali-Reactive Aggregate* (new standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

Acoustical Society of America

Office: 120 Wall Street, 32nd Floor
New York, NY 10005-3993

Fax: 212-248-0146

Contact: Avril Brenig, asastds@aip.org

- S2.XX(S2/WG 93), *Condition Monitoring and Diagnostics of Power Transformers* (new standard).

American Welding Society

Office: 550 NW LeJeune Road
Miami, FL 33126

Fax: 305-443-5951

Contact: Charles Fassinger, chuck@aws.org

- AWS B5.13, *Specification for the Qualification of Structural Steel Inspectors* (new standard).

American Society for Testing and Materials

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428

Fax: 610-832-9666

Contact: Stephen Mawn, smawn@astm.org

- ASTM Z7954Z, *Test Method for Laboratory Measurement of the Reduction of Transmitted Impact Noise by Floor Cover-*

ings on Heavyweight Floor (new standard).

National Association of Architectural Metal Manufacturers

Office: 7611 Nancy Drive
Norfolk, VA 23518-4635

Fax: 804-583-3314

Contact: Edward Estes, naamm@gss.net

- NAAMM HMMA 862, *Specifications for Commercial Security Hollow Metal Doors and Frames* (new standard).

Underwriters Laboratories, Inc.

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Fax: 847-509-6217

Contact: Patricia Bates, batesp@ul.com

- UL 555S, *Standard for Safety for Smoke Dampers* (new standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email Richard.Serbu@eh.doe.gov.

Addresses: To update the distribution list for this publication, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423-574-0382, Email mmf@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email lj8@ornl.gov.



Standards *Actions*

United States Department of Energy

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